

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office			Atty. Docket No. 61071-AZ/ JPW/GJG/ACK		Serial No. Not Yet Known	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)					Applicants Samuel J. Danishefsky et al.			
					Filing Date Herewith		Group 1624	
U.S. PATENT DOCUMENTS								
Examiner Initial / Item No.	US	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate	
FB 1	US	5 7 2 1 3 6 2	2/24/98	Corey				
FB 2	US	6 1 2 4 2 9 2	9/26/00	Corey				
FB 3	US	6 3 4 8 4 6 7	2/19/02	Corey				
FB 4	US	09 7 6 5 5 1 5 6 6 8 6 4 7 0	11/19/01 2/3/04	Danishefsky (Exhibit 1)				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
FB 5	WO	9 9 5 1 2 3 8	10/14/99	PCT				
FB 6	WO	0 0 1 8 2 3 3	4/6/00	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
FB 7	Arai T. et al., "New antibiotics saframycins A, B, C, D and E," <i>J Antibiot. (Tokyo)</i> 1977, Vol. 30, No. 11, p.p. 1015-1018;							
FB 8	Bobbitt, J. et al., "Isoquinolines. III. A New Synthesis of 1,2,3,4-tetrahydro isoquinolines," <i>J. Org. Chem.</i> 1965, Vol. 30, p.p. 2247-2250;							
FB 9	Cabre-Castellvi, J. et al., "Convenient Synthesis of Carboxylic Acid Anhydrides using N,N-Bis[2-oxo-3-oxazol idinyl]phosphorodiamidic Chloride," <i>Synthesis</i> 1981, No. 7, p.p. 616-620;							
FB 10	Caldwell C. et al., "Synthesis of the Lipophilic Side Chain of the Cyclic Hexa-depsipeptide Antibiotic L-156, 602," <i>J. Org. Chem.</i> 1990, Vol. 44, p.p. 2355-2361;							
FB 11	Caron, M. et al., "Highly Enantioselective Solvolyses of L- and D-Phenylalanine p-Nitrophenyl Esters by an L-Histidyl Dipeptide in Surfactant Coaggregates Formed by Cholesterol-Containing Amphiphiles," <i>J. Org. Chem.</i> 1988, Vol. 53, No. 21, p.p. 5187-5189;							
FB 12	Corey, E. et al., "Enantioselective Total Synthesis of Ecteinacidin 743," <i>J. Am. Chem. Soc.</i> 1996, Vol. 118, p.p. 9202-9203;							
FB 13	Danishefsky, S. et al., "Total synthesis of Quinocarcinol Methyl Ester," <i>J. Am. Chem. Soc.</i> 1985, Vol. 107, No. 5, p.p. 1421-1423;							
EXAMINER		FB Bunka			DATE CONSIDERED			
					4/30/04			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 61071-AZ/ JPW/GIG/ACK		Serial No. Not Yet Known	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicants Samuel J. Danishefsky et al.			
				Filing Date Herewith		Group 1624	
U.S. PATENT DOCUMENTS							
Examiner Initial / Item No.		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
FB 14		Fukuyama, T. et al., "Total Synthesis of(±) Saframycin A," <i>J. Am. Chem. Soc.</i> 1990, Vol. 112, No. 8, p.p. 3712-3713;					
FB 15		Fukuyama, T. et al., "A Stereocontrolled Total Synthesis of (±) Reniramycin A," <i>Tetrahedron Lett.</i> 1990, Vol. 31, No. 42, p.p. 5989-5992;					
FB 16		Fukuyama, T. et al., "Stereocontrolled total Synthesis of (±) Saframycin B," <i>J. Am. Chem. Soc.</i> 1982, Vol. 104, No. 118, p.p. 4957-4958;					
FB 17		Gao, Y. et al., "Catalytic Asymmetric Epoxidation and Kinetic Resolution: Modified Procedures Including in Situ Derivatization," <i>J. Am. Chem. Soc.</i> 1987, Vol. 109, No. 18, p.p. 5765-5780;					
FB 18		Guan, Y. et al., "Molecular and crystal structures of ecteinascidins: potent antitumor compounds from the Caribbean tunicate Ecteinascidia turbinata," <i>J. Biomol Struct. Dyn.</i> 1993, Vol. 10, No. 5, p.p. 793-817;					
FB 19		Kishi, K. et al., "Structure-activity relationships of saframycins," <i>J Antibiot. (Tokyo)</i> 1984, Vol. 37, No. 8, p.p. 847-852;					
FB 20		Kitahara, Y. et al., "Synthesis of 4,7-Indolequinones. The Oxidative Demethylation of 4,7 Dimethoxyindoles with Ceric Ammonium Nitrate," <i>Chem. Phar. Bull. (Japan)</i> 1985, Vol. 33, No. 5, p.p. 2122-2128;					
FB 21		Kubo, A. et al., "Stereoselective total Synthesis of (±) Saframycin B," <i>J. Org. Chem.</i> 1988, Vol. 53, No. 18, p.p. 4295-4310;					
FB 22		Martinez, E. et al., "Phthalascidin, a synthetic antitumor agent with potency and mode of action comparable to ecteinacidin 743," <i>Proc. Natl. Acad. Sci.</i> 1999, Vol. 96, p.p. 3496-3501;					
EXAMINER		DATE CONSIDERED					
LB Reinhardt		4/30/04					
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 61071-AZ/ JPW/GJG/ACK		Serial No. Not Yet Known	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicants Samuel J. Danishefsky et al.			
				Filing Date Herewith		Group 1624	
U.S. PATENT DOCUMENTS							
Examiner Initial / Item No.		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
FB 23	Medina, E. et al., "Enantioselective synthesis of N-Boc-1-naphthylglycine," <i>Tetrahedron Asym.</i> 1997, Vol. 8, No. 10, p.p. 1581-1586;						
FB 24	Mikami, Y. et al., "Saframycin S, a new saframycin group antibiotic," <i>J. Pharmacobiodyn.</i> 1981, No. 4, p.p. 282-286;						
FB 25	Myers, A. et al. "A concise, Stereocontrolled Synthesis of (-) Saframycin A by the Directed Condensation of α -Amino Aldehyde Precursors," <i>J. Am. Chem. Soc.</i> 1999, Vol. 121, No. 43, p.p. 10828-10829;						
FB 26	Sakai, R. et al., "Additional antitumor ecteinascidins from a Caribbean tunicate: Crystal structures and activities in vivo," <i>Proc. Natl. Acad. Sci.</i> 1992, Vol. 89, p.p. 11456-11460;						
FB 27	Sakai, R. et al., "Ecteinascidins: Putative Biosynthetic Precursors and Absolute Stereochemistry," <i>J. Am. Chem. Soc.</i> 1996, Vol. 118, No. 35, p.p. 9017-9023;						
FB 28	Sharpless, K. B. et al., "The Osmium-Catalyzed Asymmetric Dihydroxylation: A New Ligand Class and a Process Improvement," <i>J. Org. Chem.</i> 1992, Vol., 57, No. 6, p.p. 2768-2771;						
FB 29	Zhou et al., "A novel face specific Mannich closure providing access to the saframycin-ecteinascidin series of piperazine based alkaloids," <i>Tetrahedron Letters</i> 2000, Vol. 41, p.p. 2043-2046;						
FB 30	Zhou et al., "Synthetic explorations in the saframycin ecteinascidin series: construction of major chiral subunits through catalytic asymmetric induction," <i>Tetrahedron Letters</i> 2000, Vol. 41, p.p. 2039-2042.						
EXAMINER		DATE CONSIDERED					
F. Benhard		4/30/04					
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							